

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 356 - L2 Version 4
Chandra X-Ray Center

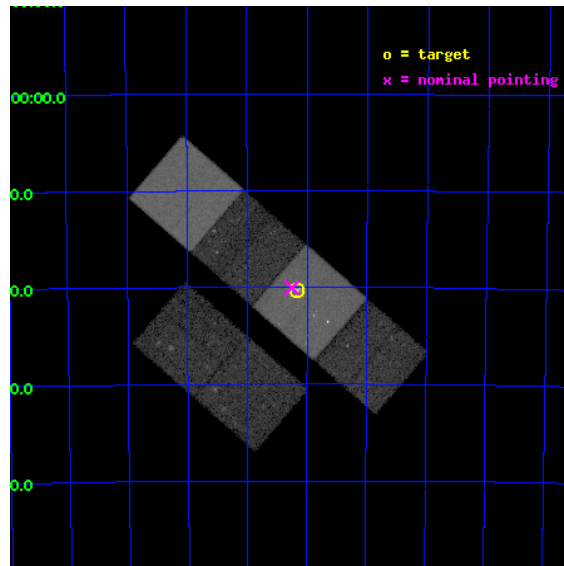
L2 Processing Date : Aug 24 2012

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1 Front

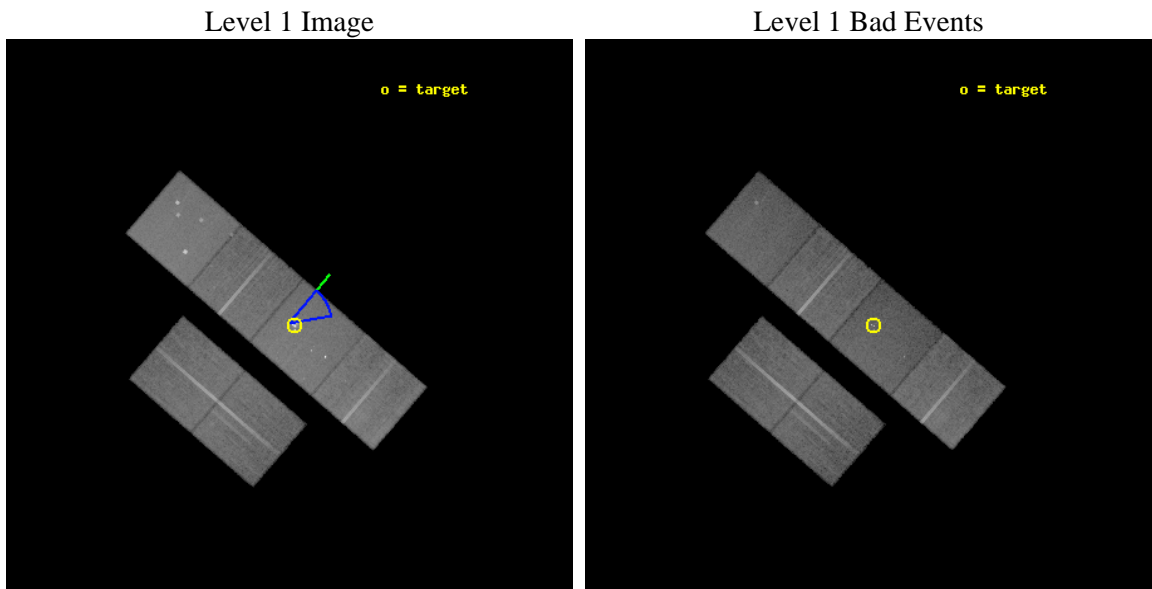
seq_num	700028	Sequence number
obs_id	356	Observation id
title	STUDIES OF RADIO JETS AND THE NARROW LINE REGIONS	Proposal title
observer	Professor Andrew Wilson	Principal investigator
object	CIRCINUS GALAXY	Source name
dtycycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	213.2925	Observer's specified target RA [deg]
dec_targ	-65.339167	Observer's specified target Dec [deg]
ra_nom	213.31334970204	Nominal RA [deg]
dec_nom	-65.334102847307	Nominal Dec [deg]
roll_nom	40.908015355315	Nominal Roll [deg]
revision	4	Processing version of data
ontime	25035.729296938	Sum of GTIs [s]
livetime	24718.711817873	Livetime [s]
ontime2	25032.529376701	Sum of GTIs [s]
ontime3	25032.365216702	Sum of GTIs [s]
ontime5	25035.688256934	Sum of GTIs [s]
ontime6	25035.647216946	Sum of GTIs [s]
ontime7	25035.729296938	Sum of GTIs [s]
ontime8	25035.565136939	Sum of GTIs [s]
l2events	287589	Number of level 2 events



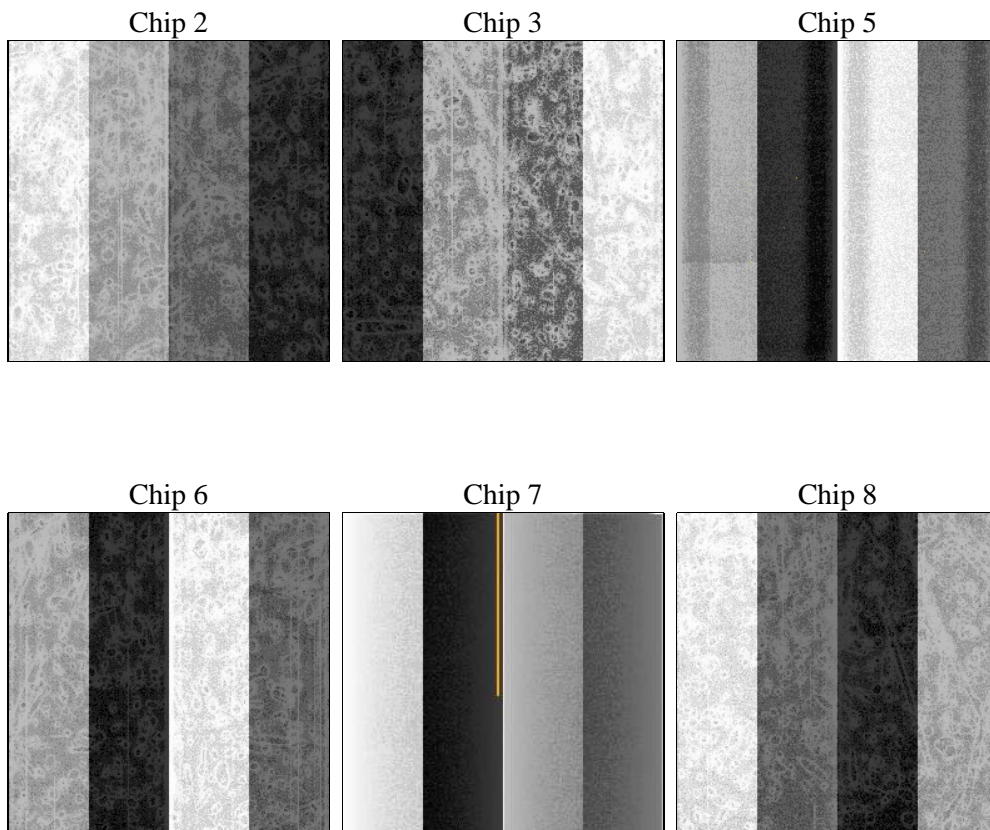
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	26000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	25035.729296938	Sum of GTIs [s]
caldbver	4.5.1.1	 	ontime2	25032.529376701	Sum of GTIs [s]
date	2012-08-24T05:21:39	Date and time of file creation	ontime3	25032.365216702	Sum of GTIs [s]
revision	4	Processing version of data	ontime5	25035.688256934	Sum of GTIs [s]
			ontime6	25035.647216946	Sum of GTIs [s]
			ontime7	25035.729296938	Sum of GTIs [s]
			ontime8	25035.565136939	Sum of GTIs [s]
			l1events	1256145	Number of level 1 events

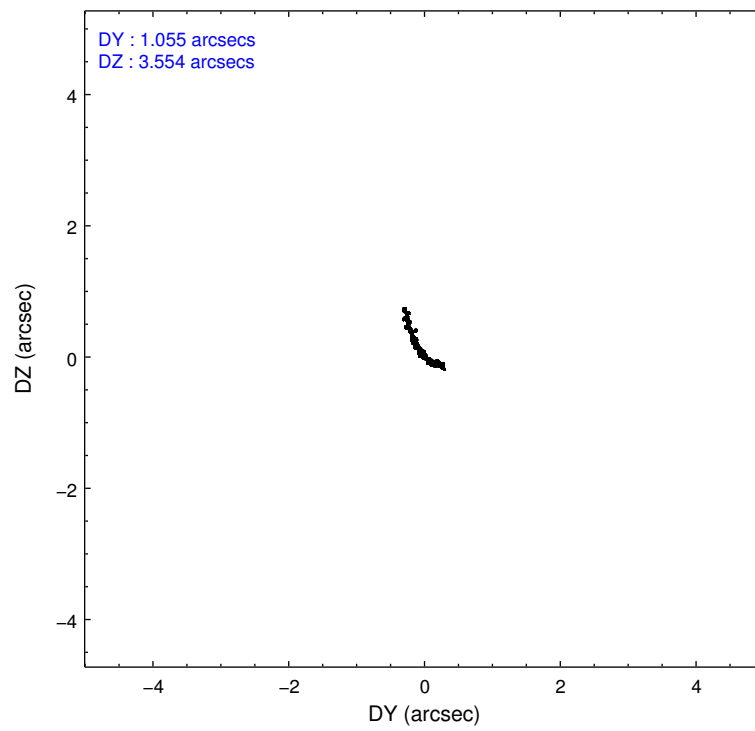
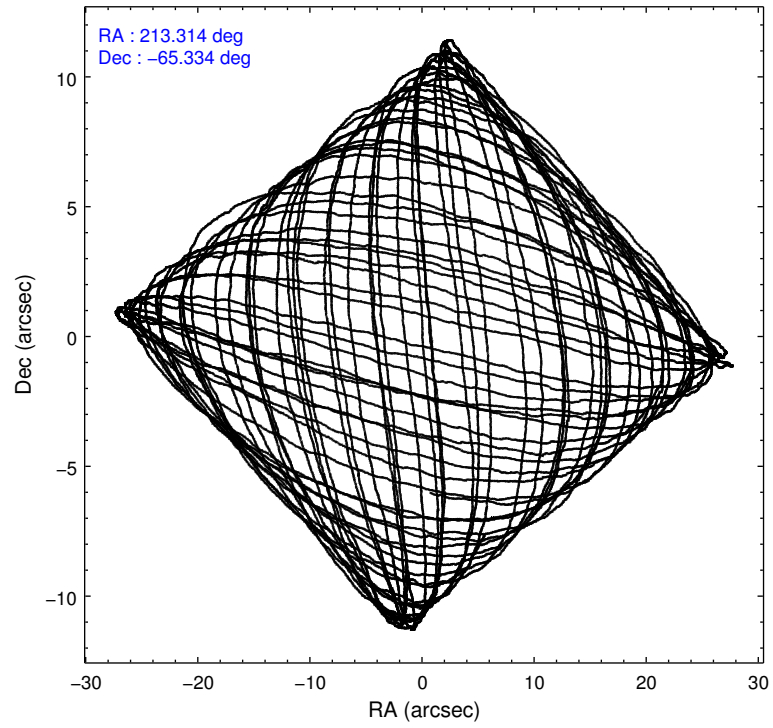
2.1.4 Events

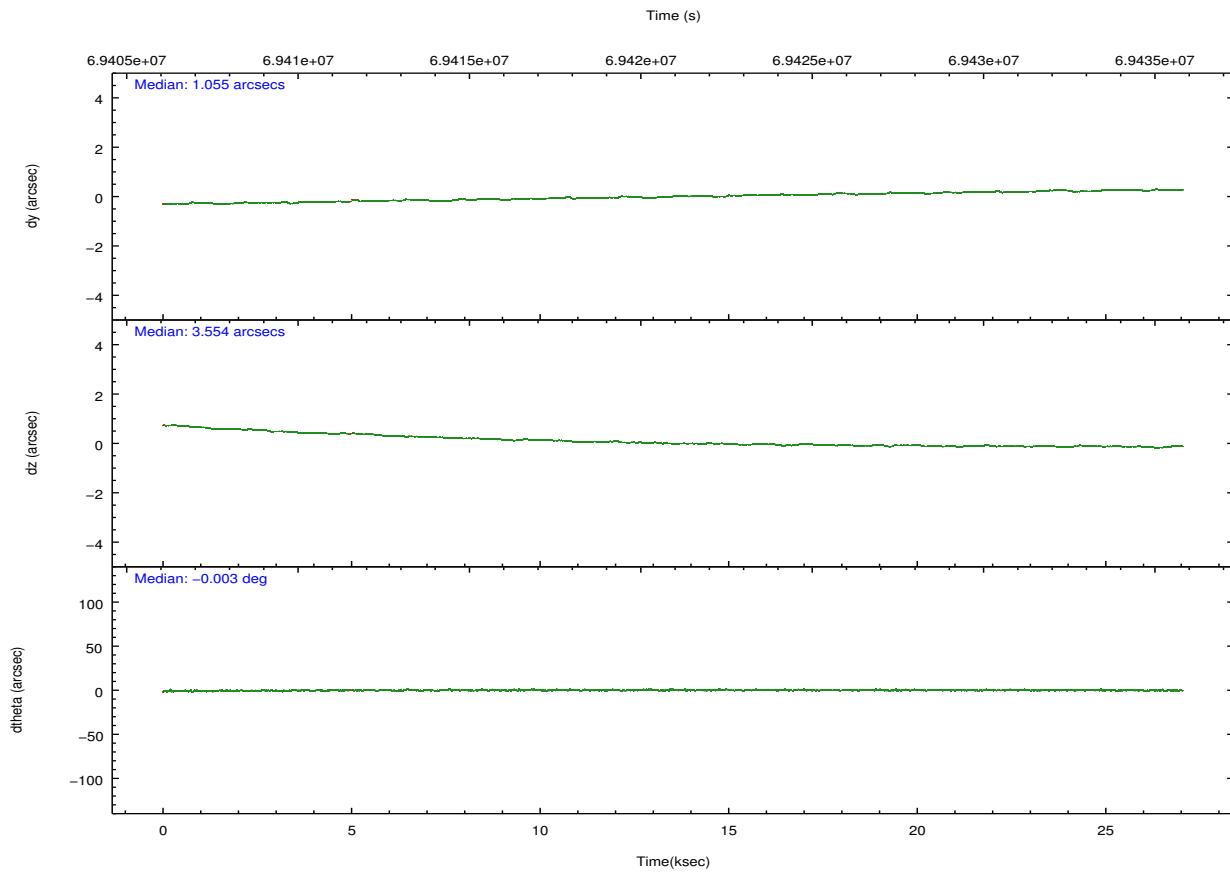
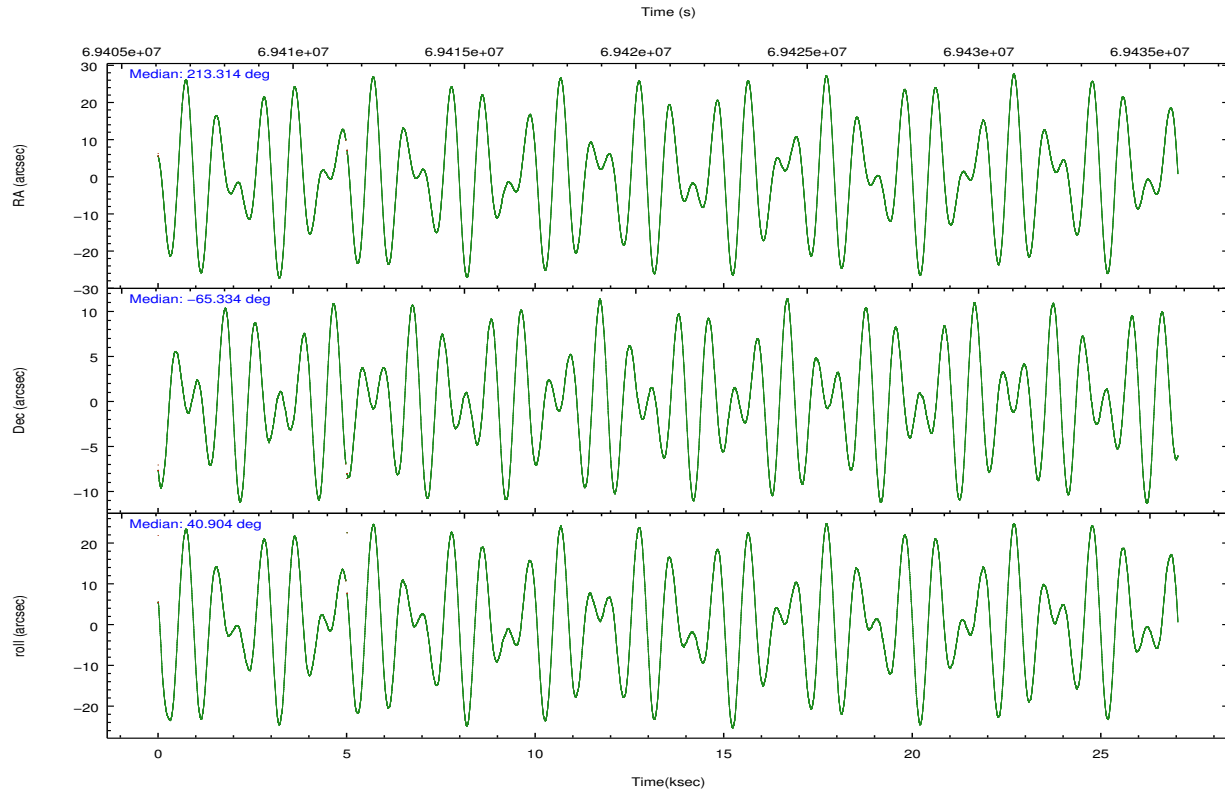
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	186859	174744	240787	186405	240517	226833	grade 0 events	8906	9116	18289	9144	15925	14412
rejected events	167190	155257	124759	165756	122387	184419		4%	5%	7%	4%	6%	6%
rejected %	89%	88%	51%	88%	50%	81%	grade 1 events	88	63	298	75	460	144
								0%	0%	0%	0%	0%	0%
							grade 2 events	3963	3512	33087	3791	25005	8799
								2%	2%	13%	2%	10%	3%
							grade 3 events	1723	1810	4957	2073	11749	4325
								0%	1%	2%	1%	4%	1%
							grade 4 events	1867	1825	4711	1965	11442	3984
								0%	1%	1%	1%	4%	1%
							grade 5 events	5453	5765	17854	6586	21113	8398
								2%	3%	7%	3%	8%	3%
							grade 6 events	3232	3251	55162	3701	54153	10984
								1%	1%	22%	1%	22%	4%
							grade 7 events	161627	149402	106429	159070	100670	175787
								86%	85%	44%	85%	41%	77%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-235678	ACIS-235678	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	FAINT	FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	213.291876	213.313349702043	Subarray requested	NONE	NONE
[deg] Pointing Dec	-65.360076	-65.33410284730716	Alternating exposures requested	N	N
[deg] Pointing Roll	40.731869	40.90801535531512	[s] Primary exposure time	0.000000	3.2
[deg] Roll angle	60.000000	60.000000			
[deg] Roll tolerance	20.000000	20.000000			
Roll constraint allows 180D rotation	N	N			
[mm] SIM focus pos	-0.684267	-0.6828225247311905			
[mm] SIM defocus	0	0.001444936568705701			
[mm] SIM translation stage pos	-190.132523	-190.1425803651734			
[mm] SIM translation stage offset	0	0.01005778216563158			
[s] Observation start time (MET)	69407907.184000	69407241.832472			
Observation start date	2000-03-14T07:57:23	2000-03-14T07:47:21			
[s] Observation end time (MET)	69433907.184000	69435129.520991			
Observation end date	2000-03-14T15:10:43	2000-03-14T15:32:09			
Read mode	TIMED	TIMED			

2.3 Aspect



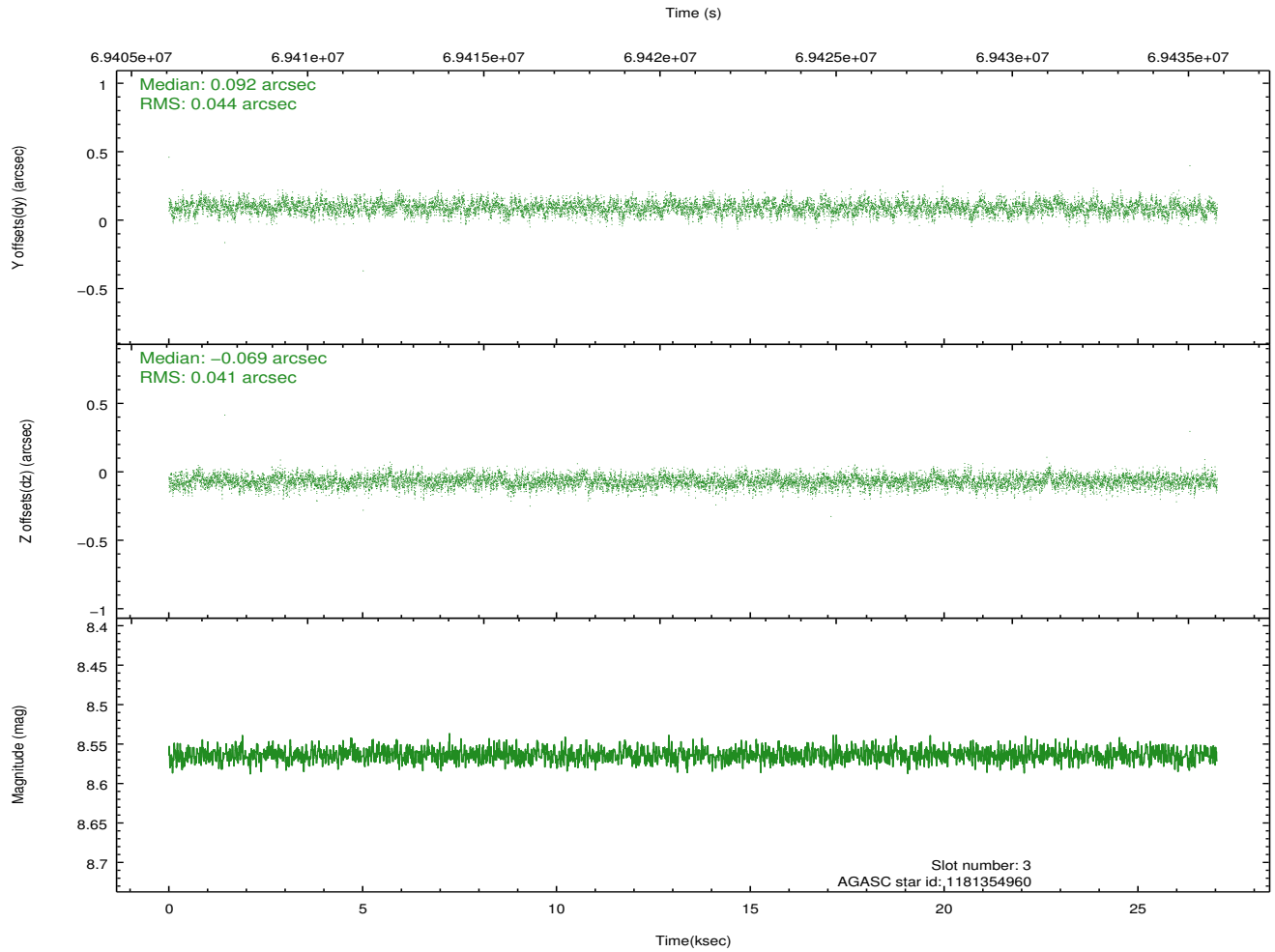
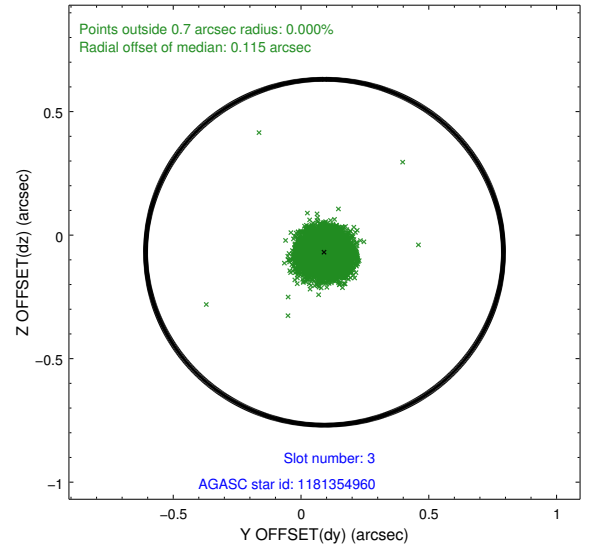
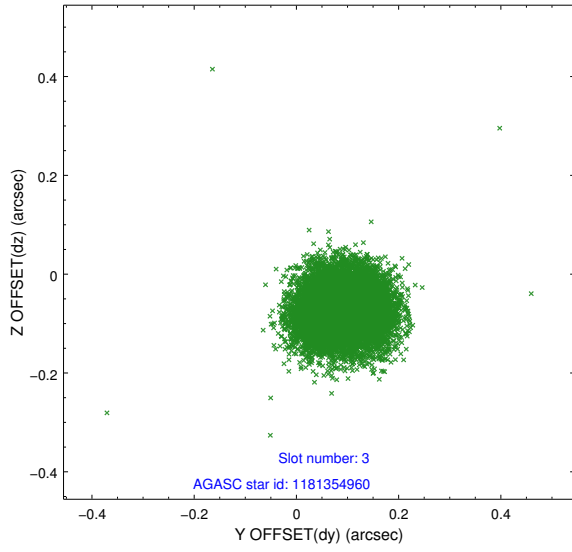


Slot Statistics

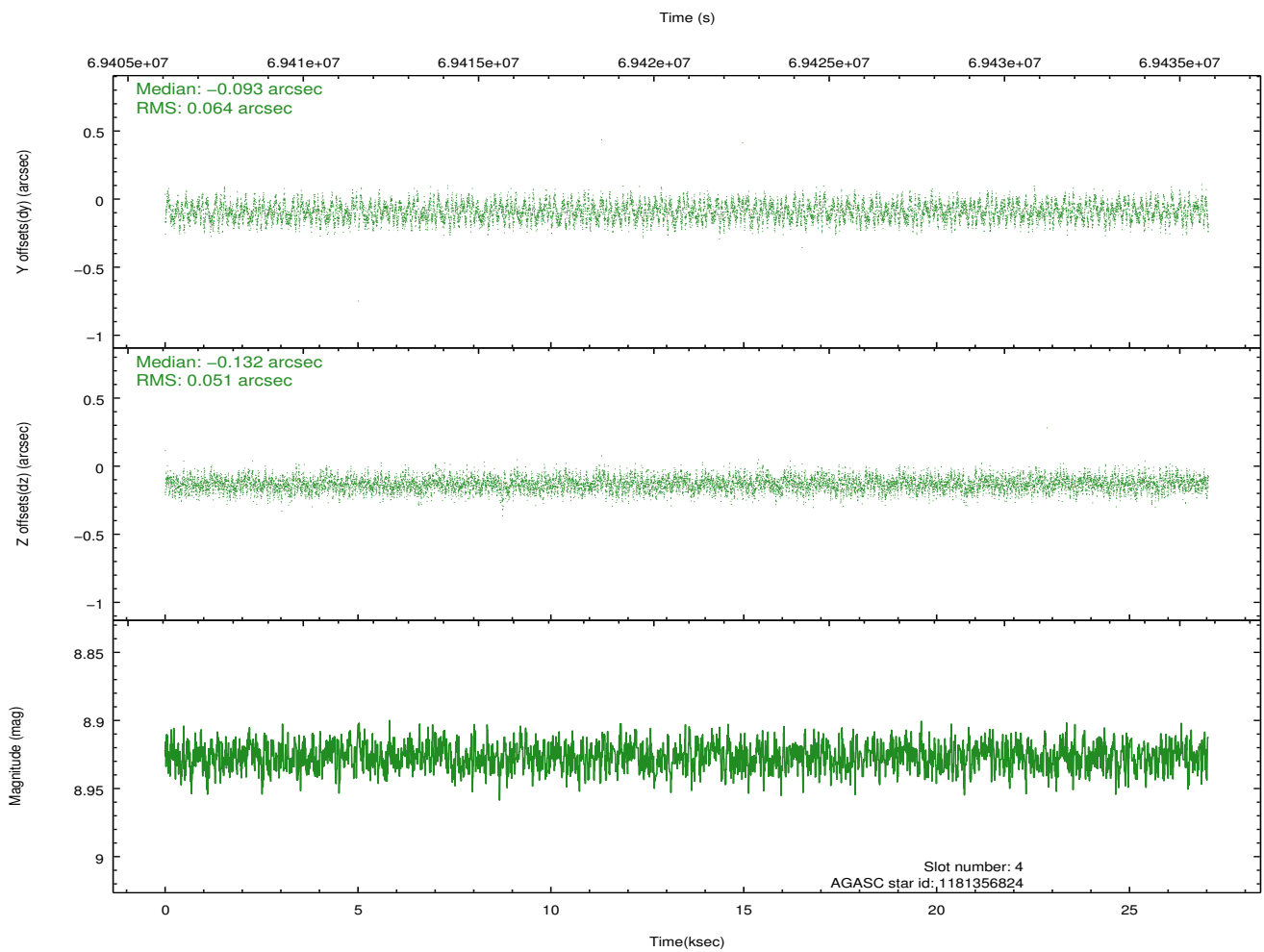
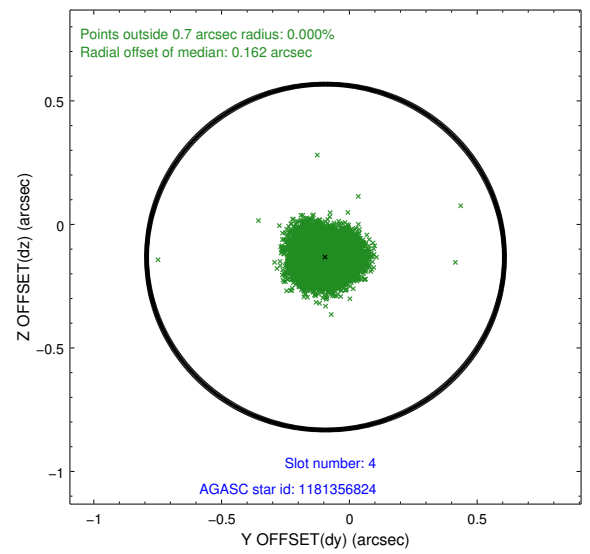
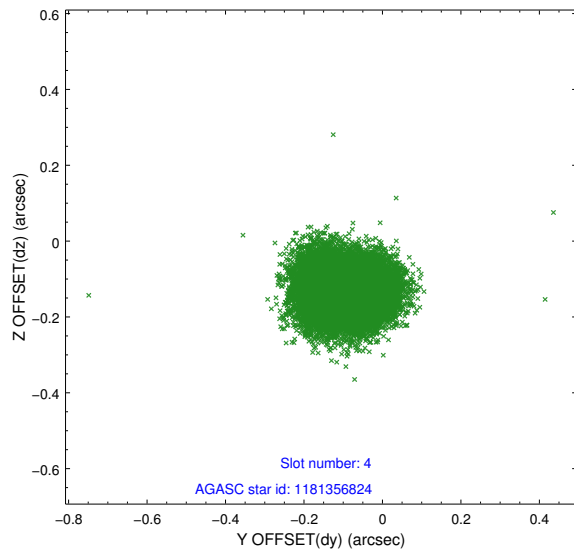
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	6586	-0.012	-0.008	0.007	0.014	0.000000	0.000000	-753.69	-1724.68
1	FID	ACIS-S-4	7.21	6585	0.003	-0.002	0.007	0.011	0.000000	0.000000	2159.60	183.65
2	FID	ACIS-S-6	7.36	6586	-0.019	0.017	0.008	0.013	0.000000	0.000000	408.47	821.21
3	GUIDE	1181354960	8.56	13173	0.092	-0.069	0.063	0.103	212.286192	-65.622482	-1757.26	249.86
4	GUIDE	1181356824	8.93	13170	-0.093	-0.132	0.088	0.137	213.100076	-64.682630	1366.16	2040.31
5	GUIDE	1181492072	9.21	13170	-0.015	0.166	0.086	0.136	214.479575	-65.592809	780.61	-1800.06
6	GUIDE	1181361000	9.57	13166	-0.099	-0.103	0.085	0.139	213.896701	-64.919162	1731.36	596.99
7	GUIDE	1181881344	9.77	13164	0.117	0.138	0.099	0.160	212.974029	-65.808699	-1410.45	-918.82

2.4 Star Slots

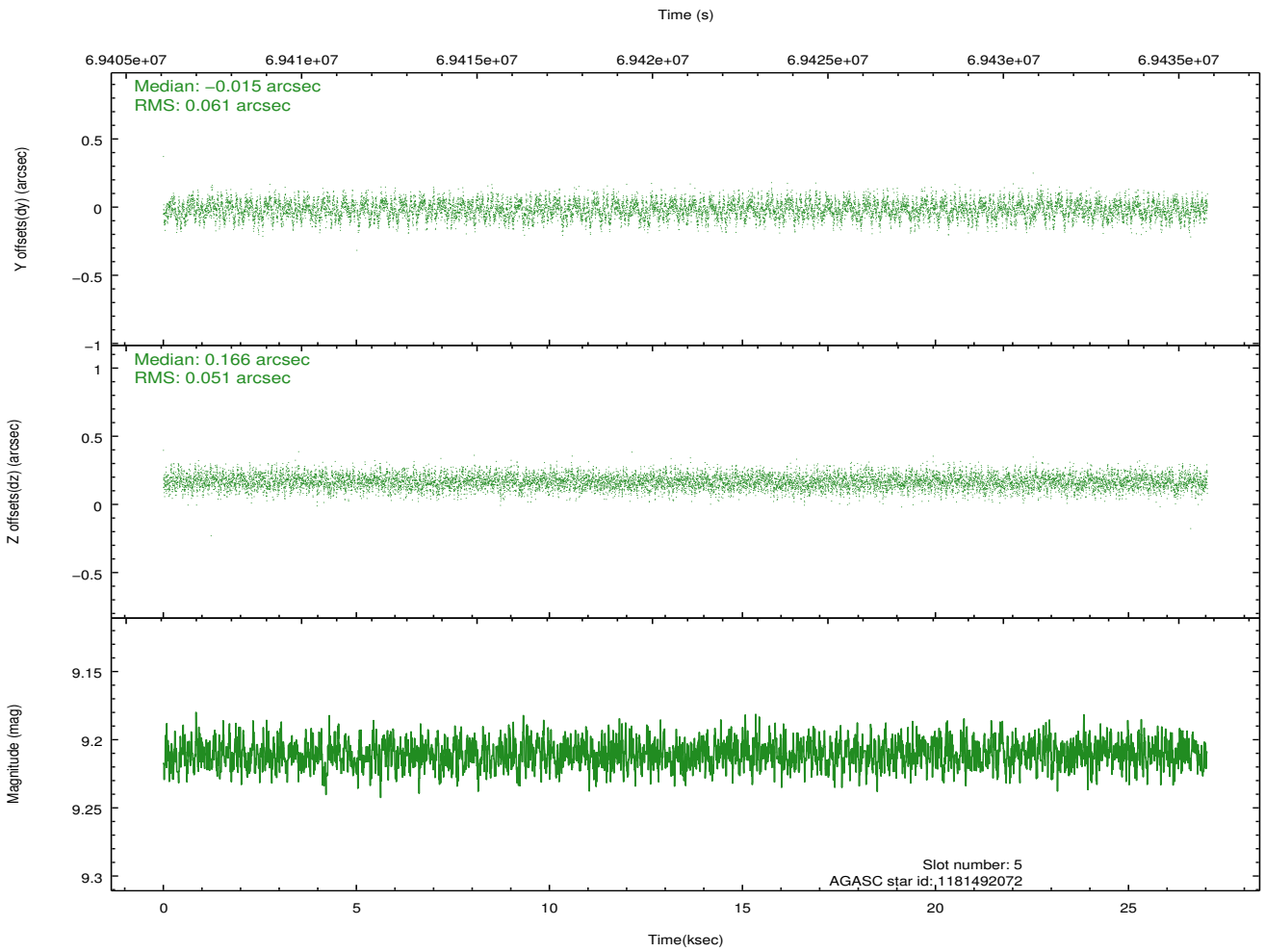
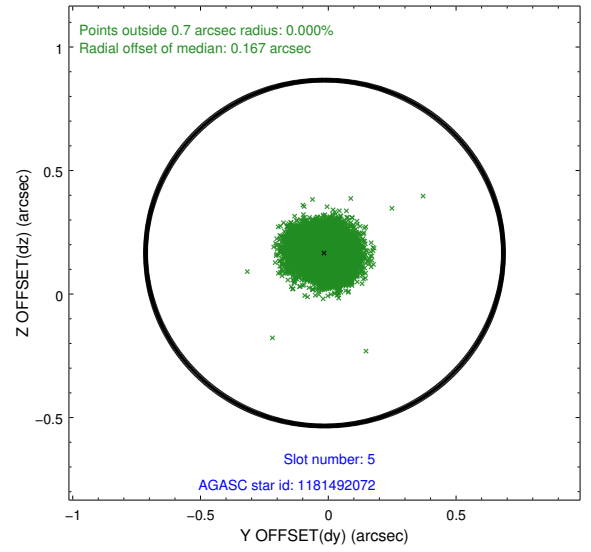
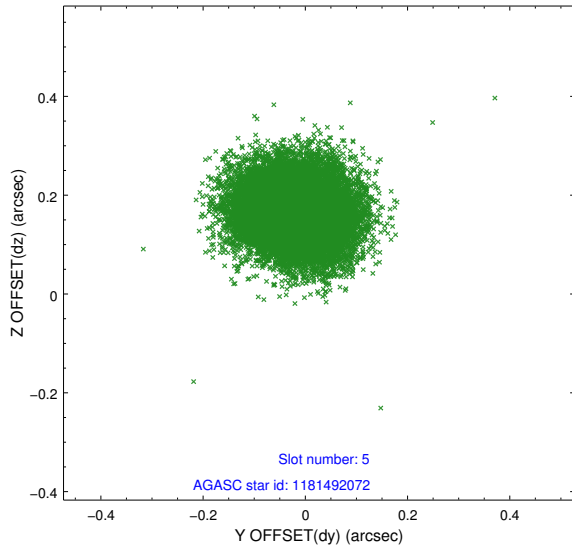
2.4.1 Slot 3



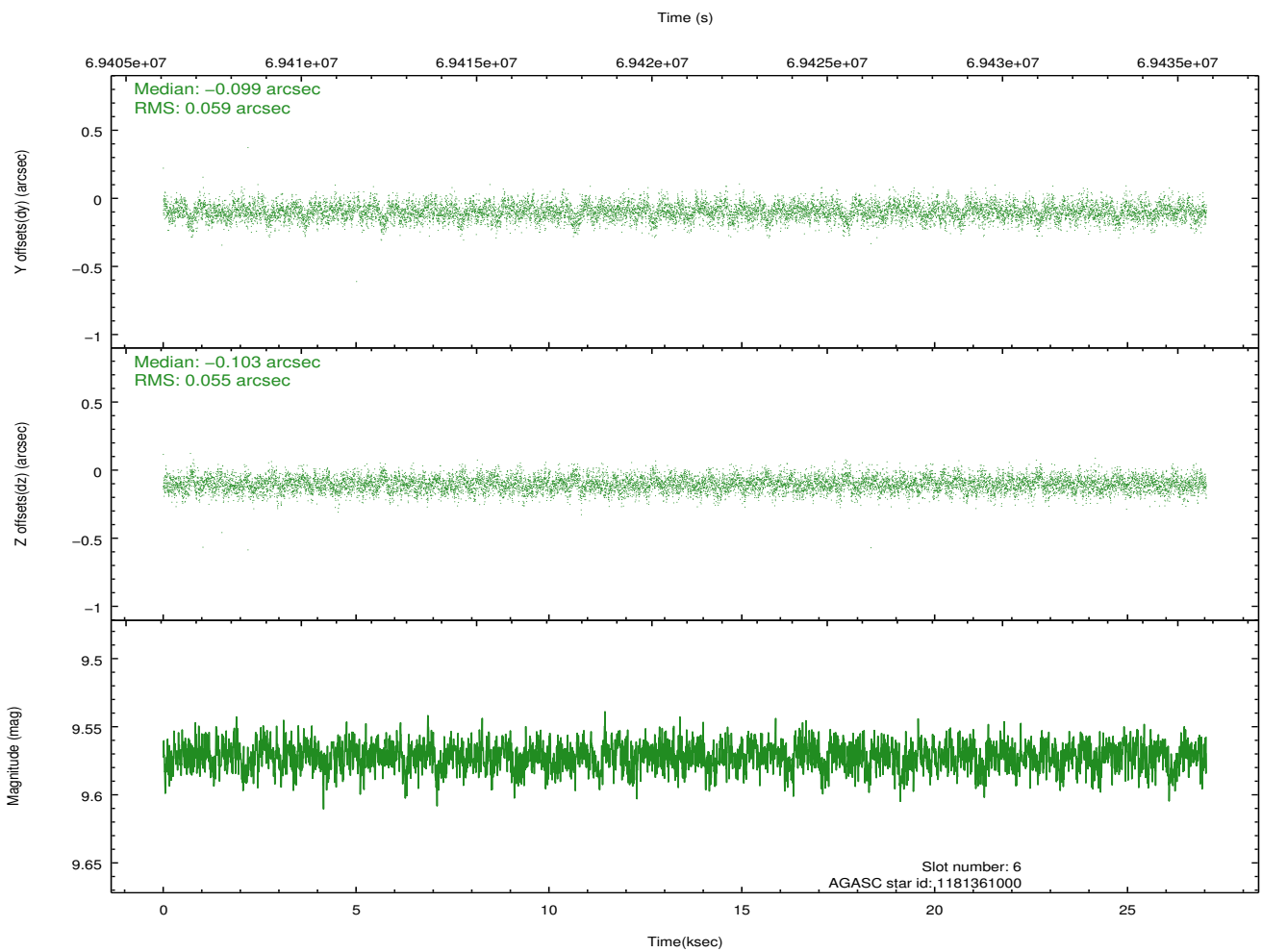
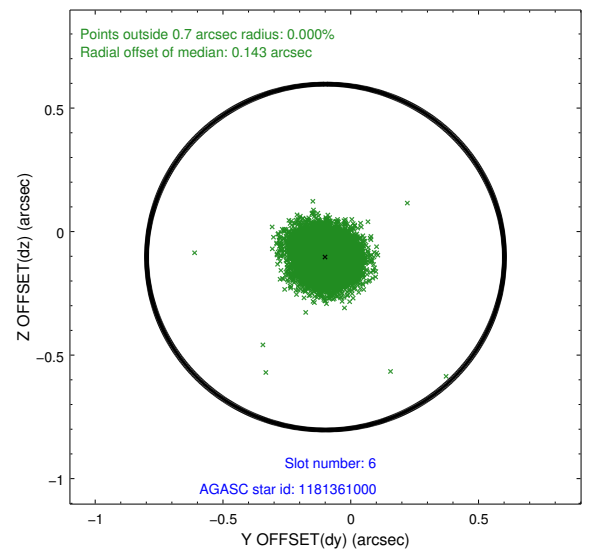
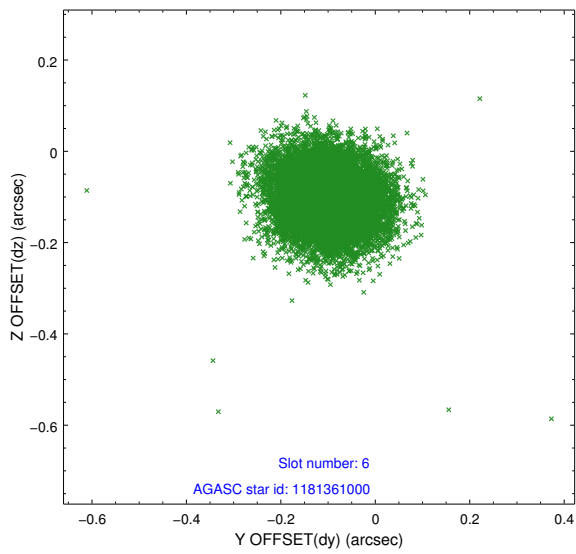
2.4.2 Slot 4



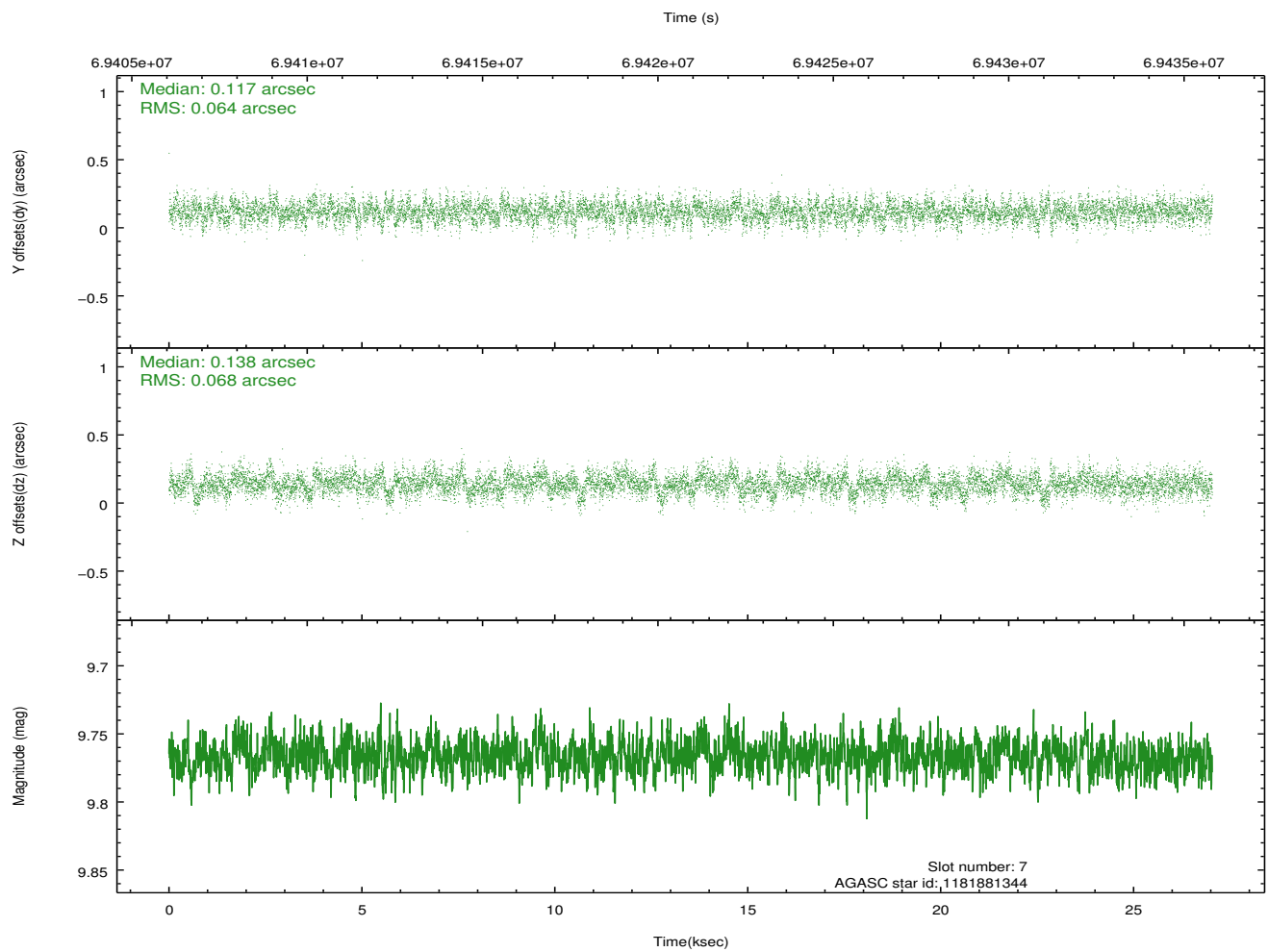
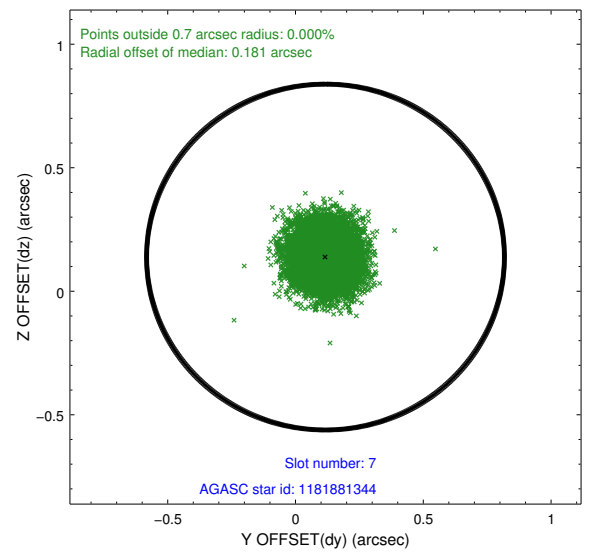
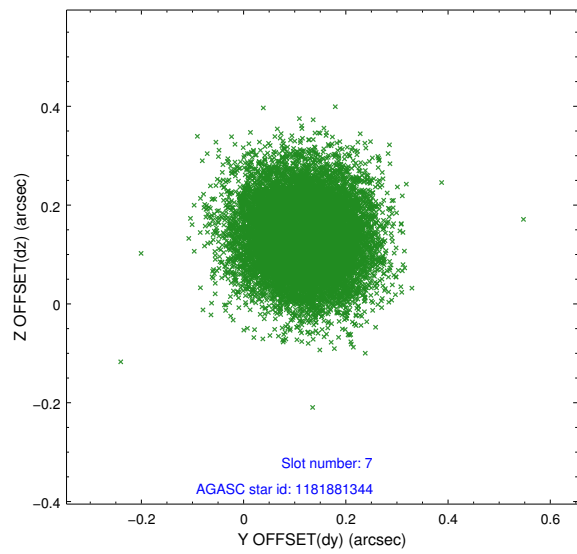
2.4.3 Slot 5



2.4.4 Slot 6

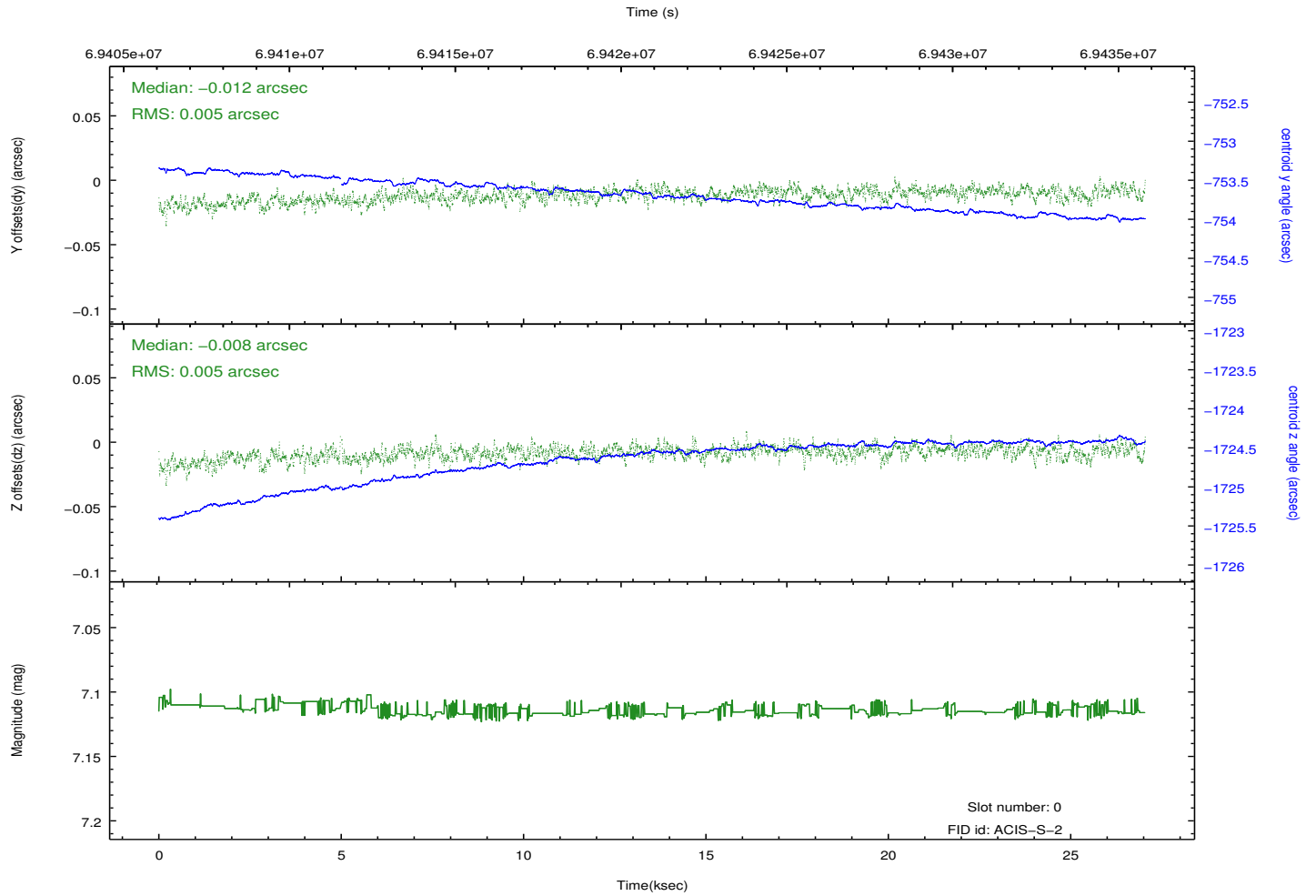
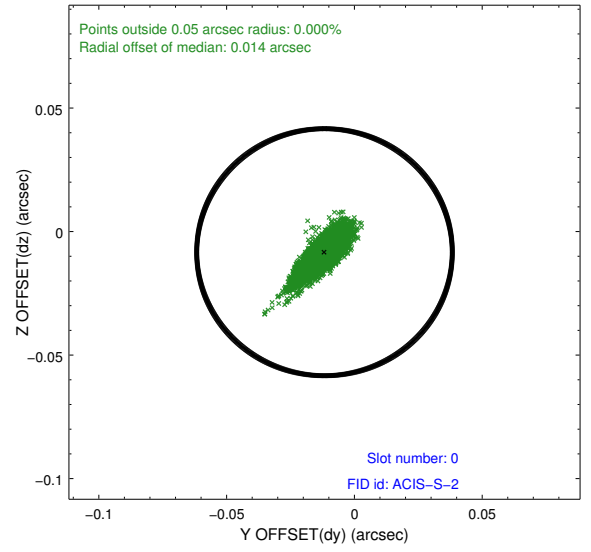
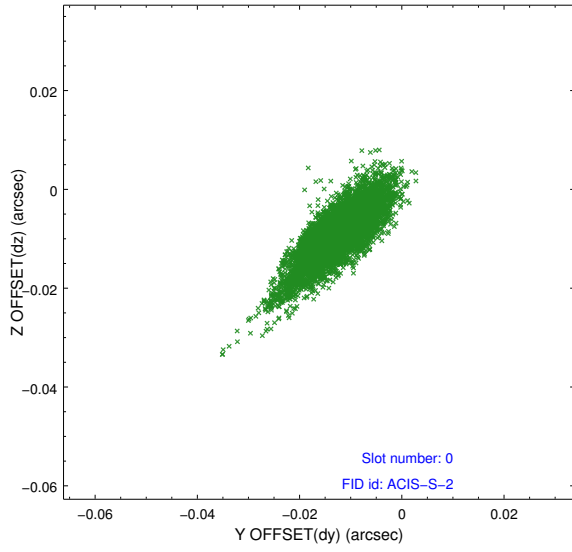


2.4.5 Slot 7

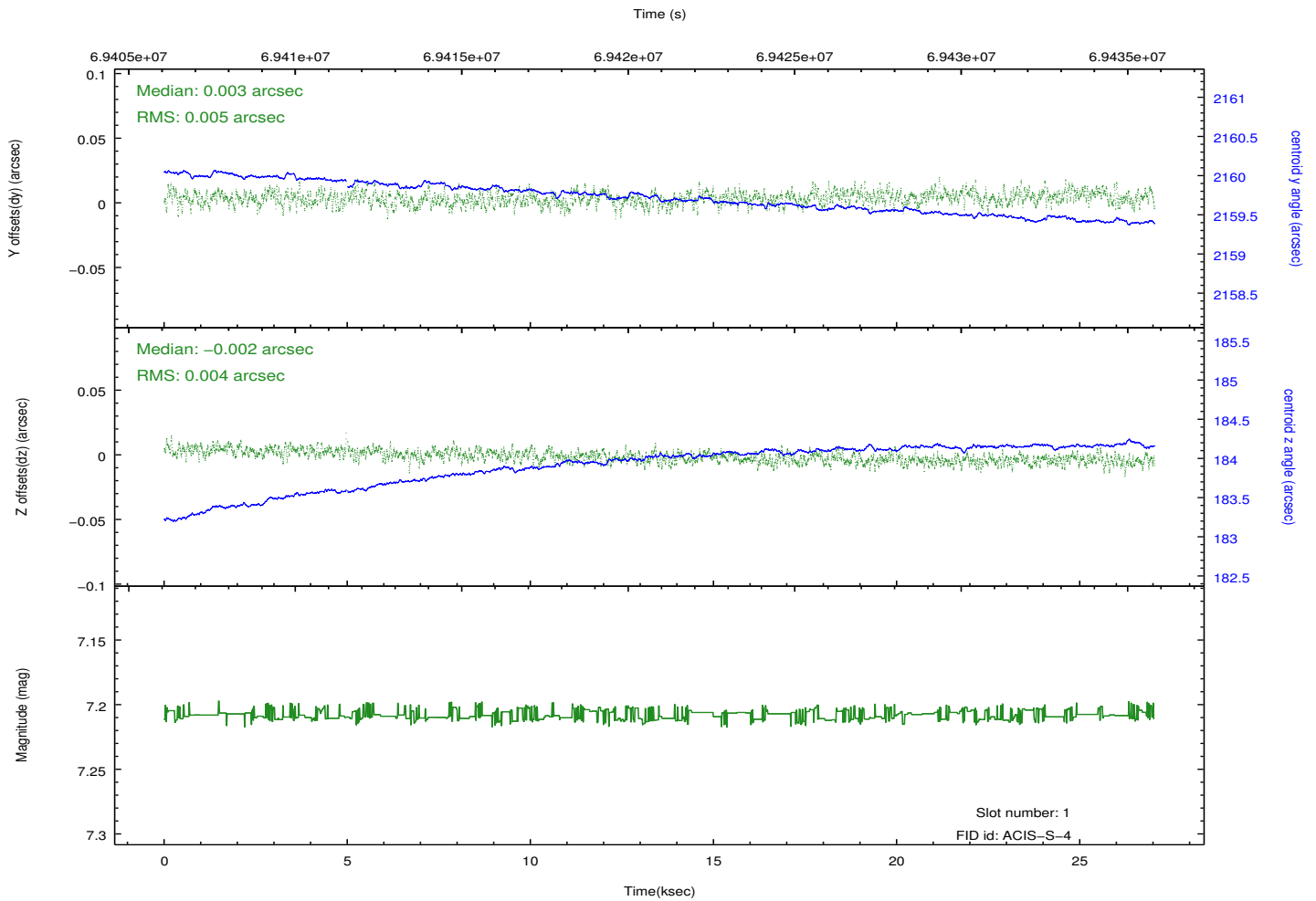
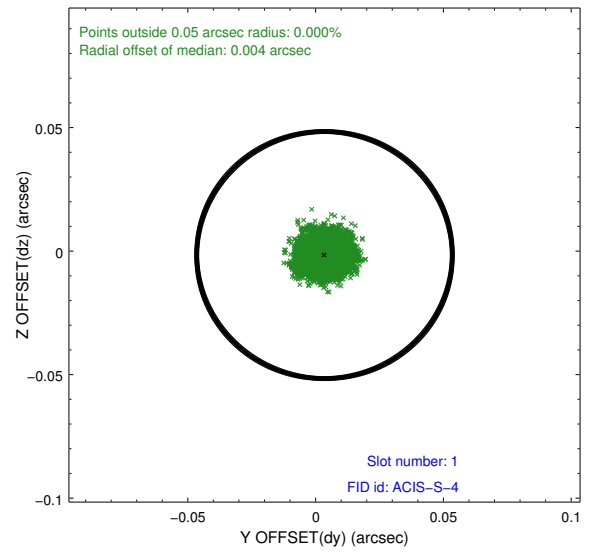
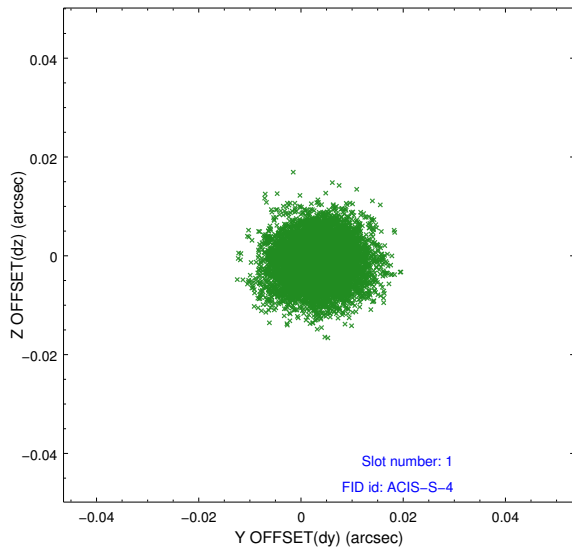


2.5 FID Slots

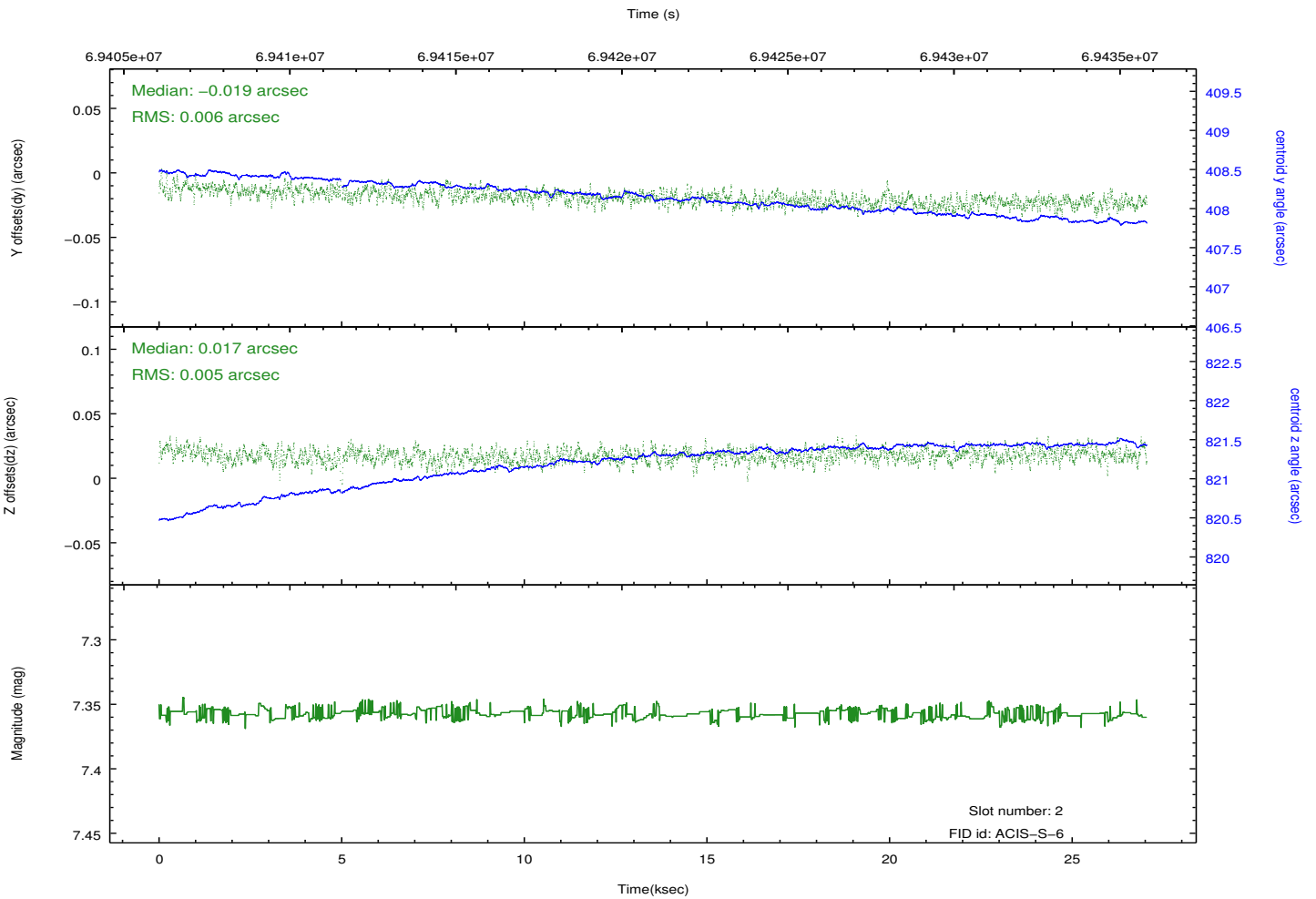
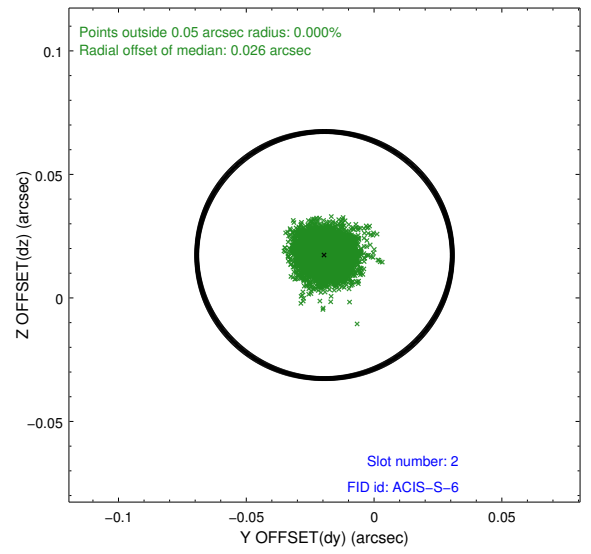
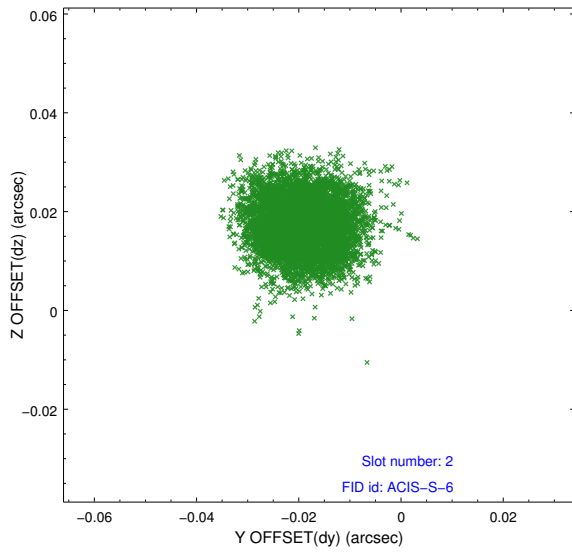
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.08.27
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	23.37

A.2 Comments

Charge time for this ObsId remains at original value of 23.37 ks, although with the current processing the charge time would have been 25.04 ksec. Roll constraint met.